

In the Title:

Please change the title to read as follows:

IMMUNODULATORY COMPLEX AND USE THEREOF
IN HELICOBACTER DISEASES

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In the Specification:**Please replace Paragraph 2, lines 8-10, on Page 1 with the following:**

{MARSHALL B. J., WARREN Jr., Unidentified curved bacilli in the stomach of the patients with gastritis and peptic ulceration *Lancet* 1984; i:1311-4)}.

Please replace Paragraph 3, lines 11-13, on Page 1 with the following:

{MÉGRAUD F., *Helicobacter pylori*, the most important bacterium among the mucus bacteria, *La letter de l'infectiologue* 1993; 8 (suppl. 4): 151-9}.

Please replace Paragraph 4, lines 19-20, on Page 3 with the following:

{PARSONNET J: *Helicobacter pylori* and gastric cancer. *Gastroenterol Clin North Am* 1993, 22:89-104.

Please replace Paragraph 6, lines 26-27, on Page 3 with the following:

MOHANDAS, *Helicobacter pylori* and lymphoma, *N Eng J Med* 1994: 331:746-7}.

Please replace Paragraph 1, lines 1-4, on Page 4 with the following:

{PETERSON P.K., VERHOEF J., SCHMELING D. & QUIE P.G.: Kinetics of phagocytosis and bacterial killing by human polymorphonuclear leucocytes and monocytes, *J. Infec. Dis.* 136:502-509, 1977.

Please replace Paragraph 2, lines 5-8, on Page 4 with the following:

KIEHLBAUCH J.A., ALBACH R.A., BAUM I.K., CHANG K.P. Phagocytosis of *Campylobacter jejuni* and its intracellular survival in mononuclear phagocytes, Infect Immun 1985; 48:446-51}].

Please replace Paragraph 2, lines 8-11, on Page 6 with the following:

{HILLS B.A., Gastric mucosal barrier: evidence for *Helicobacter pylori* ingesting gastric surfacant and deriving protection from it. Gut. 1983 May: 34(5): 588-93.

Please replace Paragraph 5, lines 21-24, on Page 6 with the following:

GEIS G., LEYING H., SUERBAUM S., MAI U. & OPFERKUCH W.: Ultrastructure and chemical analysis of *Campylobacter pylori* flagella. J. Clin. Microbiol, 27; 436-441, 1989}].

Please replace Paragraph 6, lines 25-29, on Page 6 with the following:

b. *Klebsiella pneumoniae*

{C. ERBING, L. KENNE, B. LINBERG, J. LONNGREN (1976) – Structural studies of the capsular polysaccharide of *Klebsiella pneumoniae* type I (Carbohydr. Res., 50 (1976) 115-20).

Please replace Paragraph 1, lines 1-5, on Page 7 with the following:

W. NIMMICH (1968) Zur Isolierung und qualitativen Bausteinanalyse der K. Antigen von Klebsiellen {Isolation of the Klebsiella K antigen and qualitative analysis of its structural components} (Med. Mikrobiol. and Immunol., 154, 117, 131).

Please replace Paragraph 2, lines 6-9, on Page 7 with the following:

C. RICHARD (1973) – Etude antigenique et biochimique de 500 souches de Klebsiella (Antigenic and biochemical study of 500 Klebsiella strains) (Ann. Biol. Clin., 1973)).

Please replace Paragraph 3, lines 10-12, on Page 7 with the following:

c. *Streptococcus pneumoniae*:

(F. KAUFFMANN and E. LUND (1954) (Int. Bull. Bact. Nomencl. 4, 125-28).

Please replace Paragraph 8, lines 24-27, on Page 7 with the following:

C.P.J. GLAUDEMANS and H.P. TREFFERS – An improved preparation of the capsular polysaccharide from *Diplococcus pneumoniae* (Carbohydr. Res. 1967, 4, 181-84)).

Please replace Paragraph 1, lines 1-4, on Page 8 with the following:

(P. ANDERSON et al. (1972) – Immunization of humans with polyribosephosphate, the capsular antigen of *Hemophilus influenzae* type B (J. of Clin. Invest., vol. 51, 1972, 39-44).

Please replace Paragraph 2, lines 5-8, on Page 8 with the following:

P. ANDERSON et al. (1977) – Isolation of the capsular polysaccharide from supernatant of *Hemophilus influenzae* type B (Infect. And Immun., 1977, 15 (2), 472-77)).

Please replace Paragraph 3, lines 9-12, on Page 8 with the following:

e. *Escherichia coli* (capsular polysaccharides)

{FLUDERITZ et al. (1977) – Somatic and capsular antigens of gram-negative bacteria (Compr. Biochem. 26 A, 105-228).

Please replace Paragraph 6, lines 20-24, on Page 8 with the following:

LUGTENBERG B., J. Meijers, R. Peters, P. van der Hock and L. van Alphen (1975) – Electrophoretic resolution of the "major outer membrane protein" of *Escherichia coli* K12 into four bands. (FEBS Lett. 58; 254-258)}.

Please replace Paragraph 2, lines 10-12, on Page 9 with the following:

{GOODWIN C.S. "Helicobacter Pylori: 10th anniversary of its culture in April 1982". (Gut 1993; 34: 293-4).

Please replace Paragraph 1, lines 2-4, on Page 10 with the following:

Y.B. KIM et al. (1967) – Biologically active endotoxins from *Salmonella* mutans (J. of Bacteriol., 94, (5), 1320-261)}.

Please replace Paragraph 3, lines 23-29, on Page 14 and lines 1-5 on Page 15 with the following:

This therapeutic (vaccine) complex may be assimilated to a specific vaccine (through an "inert system" which is intended to increase the immunogenicity of a recombinant subunit vaccine and of vaccines consisting of peptides), and a nonspecific vaccine with the characteristics of a lymphokine, which, by attaching to the macrophages, plays an essential role in the immune response towards *Helicobacter* {KAZI J.I.,

SINNIAH R., JAFFRAY N.A., ALAM S.M., ZAMAN V., ZUBERI S.J. & KAZI A.M.: Cellular and humoral immune response in *Campylobacter pylori*-associated chronic gastritis, J. Pathol. 159; 231-237, 1989}].

Please replace Paragraph 6, lines 26-29, on Page 15 with the following:

{FTRIEU-CUOT, P., G. GERBAUD, T. LAMBERT and P. COURVALIN (1985)

- In vivo transfer of genetic information between gram-positive and gram-negative bacteria. (EMBO J. 4:3583-3587)}].

Please replace Paragraph 4, lines 15-18, on Page 16 with the following:

{FANDERSEN L.P.; NIELSEN H. Survival and ultrastructural changes of *Helicobacter pylori* after phagocytosis by human polymorphonuclear leukocytes and monocytes, APMIS; 1993 Jan.: 101(1); 61-72}].

Please replace Paragraph 5, lines 19-21, on Page 16 with the following:

{FSTEIGBIGEL R. T., LAMBERT L. H. & REMINGTON J.S.; Phagocytic and bactericidal properties of normal human monocytes, J. Clin. Invest. 53; 131-142, 1974}].

Please replace Paragraph 6, lines 22-24, on Page 16 with the following:

{FYAM L.T., Li C.Y. & CROSBY W.H.; Cytochemical identification of monocytes and granulocytes, Am. J. Clin. Pathol. 55; 283-290, 1971}].

Please replace Paragraph 2, lines 9-13, on Page 18 with the following:

{FKIST M; SPIEGELHALDER C.; MORIKI T.; SCHAEFER H.E. – Interaction of *Helicobacter pylori* (strain 151) and *Campylobacter coli* with human peripheral

polymorphonuclear granulocytes}), and in preventing infectious recidivations (Zentralbl Bakferoil., 280 (1-2), pp. 58-72, (1993).

Please replace Paragraph 6, lines 27-29, on Page 18 and lines 1-3 on Page 19 with the following:

{SUERBAUM S., C. JOSENHANS, and A. LABIGNE (1993) – Cloning and genetic characterization of the *Helicobacter pylori* and *Helicobacter mustelae* flaB flagellin genes and construction of *H. pylori* flaA - and flaB-negative mutants by electroporation-mediated allelic exchange. (J. Bacteriol. 175:3278-3288).

Please replace Paragraph 2, lines 9-12, on Page 19 with the following:

- CHEN M. LEE A., HAZELL S., HU P., LI Y. – Protective immunisation against *Helicobacter*: the need for stimulation of common mucosal immune system (abstract). (Gastroenterology 1993, 104 (suppl): A681)}2.